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5914168, A9812-0150-035, B9806-0120-064; 980519.

Title

Teaching about photodetection noise sources in the laboratory.

Author(s)

Jacubowiez-L; Roch-J-F; Poizat-J-P; Grangier-P.

Author affiliation

Inst d'Opt, Ecole Superieure d'Opt, Orsay, France.

Source

Fifth International Topical Meeting on Education and Training in Optics, Delft, Netherlands, 19-21 Aug. 1997.

Sponsors: SPIE, ICO, Quantoptica Found., Philips Res. Centre for Tech. Training, TNO, ODME.

In: Proceedings-of-the-SPIE-The-International-Society-for-Optical-Engineering (USA), vol.3190, p.166-78, 1997.

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Publication type

CPP Conference Paper, J Journal Paper.

Treatment codes

X Experimental.

Abstract

The authors describe simple experiments that allow students to observe, identify, understand and measure different noise sources

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	3 Bandwidth extension in CMOS with optimized on-chip inductors  Mohan, S.S.; Hershenson, M.D.M.; Boyd, S.P.; Lee, T.H.				
	Solid-State Circuits, IEEE Journal of, Volume: 35 Issue: 3, March 2000				
	Page(s): 346 -355				
	[Abstract] [PDF Full-Text (352 KB)] JNL				
	4 Laser diode driver with 5-decade range				
	Rudd, E.P.				
	Instrumentation and Measurement, IEEE Transactions on , Volume: 49 Issue: 1 , Feb. 2000 Page(s): 2 -4				



#### [Abstract] [PDF Full-Text (76 KB)] JNL

# 5 Analytical expression for the equivalent input noise current spectral density of HBT distri amplifier based optical receivers

Iqbal, A.; Darwazeh, I.Z.

Opto-Electronic Interfacing at Microwave Frequencies (Ref. No. 1999/045), IEE Colloquium on , 1

Page(s): 2/1 -210

#### [Abstract] [PDF Full-Text (700 KB)] CNF

## 6 A 2.125 Gbaud 1.6 k/spl Omega/ transimpedance preamplifier in 0.5 /spl mu/m CMOS

Mohan, S.S.; Lee, T.H.

Custom Integrated Circuits, 1999. Proceedings of the IEEE 1999, 1999

Page(s): 513 -516

#### [Abstract] [PDF Full-Text (360 KB)] CNF

#### 7 Bootstrapping techniques to improve the bandwidth of transimpedance amplifiers

Hoyle, C.; Peyton, A.

Analog Signal Processing (Ref. No. 1998/472), IEE Colloquium on , 1998

Page(s): 7/1 -7/6

#### [Abstract] [PDF Full-Text (364 KB)] CNF

#### 8 Noise analysis for position-sensitive detectors

Narayanan, C.; Buckman, A.B.; Busch-Vishniac, I.

Instrumentation and Measurement, IEEE Transactions on, Volume: 46 Issue: 5, Oct. 1997

Page(s): 1137 -1144

#### [Abstract] [PDF Full-Text (704 KB)] JNL

## 9 The opto-electronic high-frequency transconductor and circuit applications

Vanisri, T.; Toumazou, C.

RF Design Scene, IEE Colloquium on , 1996

Page(s): 2/1 -211

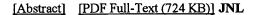
## [Abstract] [PDF Full-Text (520 KB)] CNF

# 10 Integrated high frequency low-noise current-mode optical transimpedance preamplifiers practice

Vanisri, T.; Toumazou, C.

Solid-State Circuits, IEEE Journal of, Volume: 30 Issue: 6, June 1995

Page(s): 677 -685



# Noise performance and chopper frequency in integrated micromachined chopper-detecto

Wolffenbuttel, R.F.; de Graaf, G.

Instrumentation and Measurement, IEEE Transactions on , Volume: 44 Issue: 2 , April 1995

Page(s): 451 -453

[Abstract] [PDF Full-Text (224 KB)] JNL

#### 12 Low-noise photodiode-amplifier circuit

Hyyppa, K.; Ericson, K.

Solid-State Circuits, IEEE Journal of, Volume: 29 Issue: 3, March 1994

Page(s): 362 -365

[Abstract] [PDF Full-Text (264 KB)] JNL

# 13 Analysis of the transistor-related noise in integrated p-i-n-HBT optical receiver front-end

Liu, Q.Z.; Pulfrey, D.L.; Jackson, M.K.

Electron Devices, IEEE Transactions on , Volume: 40 Issue: 12 , Dec. 1993

Page(s): 2204 -2210

[Abstract] [PDF Full-Text (584 KB)] JNL

#### 14 An InGaAs/InP p-i-n-JFET OEIC with a wing-shaped p/sup +/-InP layer

Park, K.-S.; Oh, K.-R.; Kim, J.-S.; Lee, Y.-T.; Kim, S.-J.; Kwon, Y.-S.

IEEE Photonics Technology Letters, Volume: 4 Issue: 4, April 1992

Page(s): 387 -389

[Abstract] [PDF Full-Text (228 KB)] JNL

#### 15 A new MOS imager using photodiode as current source

Kyomasu, M.

Solid-State Circuits, IEEE Journal of , Volume: 26 Issue: 8 , Aug. 1991

Page(s): 1116 -1122

[Abstract] [PDF Full-Text (608 KB)] JNL

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